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## **CLAIMS**

1	1.	A printing system, comprising:
2		a laser configured to produce a printing beam for printing a code on a
3	produc	t, the laser being at most a 25 Watt laser;
4		a housing including a printing beam exit member through which the
5	printing	g beam exits the housing; and
6		an optics assembly within the housing, the optics assembly focussing
7 .	the pri	nting beam on a product which is adjacent to the housing.
1	2.	The printing system of claim 1, wherein the printing beam exit
2	membe	er is movable relative to the housing;
1	3.	The printing system of claim 1, wherein a bearing couples the printing
2	beam e	exit member to the housing.
1	4.	The printing system of claim 3, wherein the bearing has an axis of
2		on and the printing beam passes through the bearing along the axis of
3	rotatio	
1	5.	The printing system of claim 1, further comprising:
2		a negative lens for expanding the printing beam and a positive lens for
3	focuss	sing the printing beam.
1	6.	The printing system of claim 1, further comprising:
2		a collimating lens positioned between the negative lens and the
3	nositi	ve lens.

1	7.	The printing system of claim 1, further comprising:
2		electronics for correcting the non-linearity of one or more lenses
3	throug	th which the printing beam passes.
1	8.	The printing system of claim 1, further comprising:
2		a print zone light source for producing a print zone beam for defining a
3	print z	cone within which the code is printed, the print zone beam exiting the
4	housir	ng through the printing beam exit member.
1	9.	The printing system of claim 1, further comprising:
2 .		one or more mirrors for reflecting the printing beam in a desired
3	directi	ion.
1	10.	The printing system of claim 9, wherein at least one of the one or more
2	mirro	rs are connected to a motor configured to move the mirrors so as to
3	contro	ol the direction that the printing beam is reflected.
1	11.	The printing system of claim 10, further comprising:
2		electronics for controlling the motors so as to steer the printing beam
3	from o	one location to another.
1	12.	The printing system of claim 1, wherein the laser is an air cooled laser
1	13.	The printing system of claim 1, wherein the laser is at most a 20 Watt
2	laser.	

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1	14. The printing system of claim 1, wherein the laser is at most a 13 watt	
2	laser.	
1	15. The printing system of claim 1, wherein the printing system weighs	
2	less than 25 pounds.	
•	16. The printing system of claim 1, wherein the printing system weighs	
1		
2	less than 22 pounds.	
1	17. The printing system of claim 1, wherein the printing system includes	
2	housing having a volume of less than 1200 cubic inches.	
1	18. The printing system of claim 1, wherein the printing system includes	
1		
2	housing having a volume of less than 600 cubic inches.	